



NEGARA BRUNEI DARUSSALAM

**BRUNEI DARUSSALAM STANDARD  
PIAWAI BRUNEI DARUSSALAM**

**PBD IEC 60364-7-717: 2010  
IEC 60364-7-717: 2010  
Edition 2.0**

**LOW-VOLTAGE ELECTRICAL INSTALLATIONS -  
PART 7-717: REQUIREMENTS FOR SPECIAL INSTALLATIONS  
OR LOCATIONS - MOBILE OR TRANSPORTABLE UNITS**

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**ENERGY DIVISION, PRIME MINISTER'S OFFICE  
IN COLLABORATION WITH MINISTRY OF DEVELOPMENT  
NEGARA BRUNEI DARUSSALAM**

## **FOREWORD**

This Brunei Darussalam Electrical Standard was prepared by the Technical Committee on Electrical Standards (TECO), Energy Division at Prime Minister's Office in collaboration with the Authority for Building and Construction Industry (ABCI), Ministry of Development, Brunei Darussalam with the objective of developing the National Electrical Standards for electrical products, systems, equipments and facilities for the local industry and consumers with reference to international standards, guidelines and procedures. In developing the national electrical standards, the aim is to promote quality, technical integrity, health, safety and environmental standards for the local industries and consumers.

This Brunei Darussalam Electrical Standard is an adoption of the International Electro Technical Commission IEC 60364-7-717: 2001 (Edition 2.0) standard and implements it as the Brunei Darussalam National Standard.

Attention is drawn to the fact that this Brunei Darussalam Electrical Standard does not confer any immunity from legal obligations in any contract for compliance to the Standard.

The National Electrical Standards are subject to periodical review according to the current needs of the local industries and consumers to keep abreast of progress in the industries and consumers concerned. Suggestions of amendments will be recorded and in due course brought to the notice of the committees concerned.

## **COMMITTEE MEMBERS**

The Technical Committee on Electrical Standards (TECO) was tasked by the Energy Division at the Prime Minister's Office in collaboration with the Authority for Building and Construction Industry (ABCI), Ministry of Development, Brunei Darussalam for the preparation of this Brunei Darussalam Electrical Standard. The members of the Technical Committee are as follows:

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The Sub-Committee No. 5 (SC5) is the working groups for the Electrical Wiring Code of Practice who assisted in the preparation for the adoption of the Brunei Darussalam Electrical Standard. The members of the Sub-Committee No. 5 are :

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**PIAWAI BRUNEI DARUSSALAM – BRUNEI DARUSSALAM STANDARD**

# **INTERNATIONAL STANDARD**

**Low-voltage electrical installations –  
Part 7-717: Requirements for special installations or locations – Mobile or  
transportable units**

IEC 60364-7-717:2009

**PBD IEC 60364-7-717: 2010 (Published by IEC in 2009)  
This IEC International Standard has been adopted by CPRU, Ministry of Development,  
Negara Brunei Darussalam as a national standard under the IEC Affiliate Country Programme**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## LOW-VOLTAGE ELECTRICAL INSTALLATIONS –

**Part 7-717: Requirements for special installations or locations –  
Mobile or transportable units**

## FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 60364-7-717 has been prepared by IEC technical committee 64: Electrical installations and protection against electric shock.

This second edition cancels and replaces the first edition published in 2001 and constitutes a technical revision.

The main changes with respect to the previous edition are as follows:

- The scope has been improved, providing more detail;
- The content of Clause 717.41 has been updated following the new edition of IEC 60364-4-41;
- Clauses concerning protection by automatic disconnection of the supply and additional protection have been introduced;
- All figures have been updated.

The text of this standard is based on the following documents:

FDIS	Report on voting
64/1675/FDIS	64/1684/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The reader's attention is drawn to the fact that Annex A lists all of the "in-some-country" clauses on differing practices of a less permanent nature relating to the subject of this standard.

IEC 60364 consists of the following parts, under the general title: *Low-voltage electrical installations*:

Part 1: Fundamental principles, assessment of general characteristics, definitions

Part 4: Protection for safety

Part 5: Selection and erection of electrical equipment

Part 6: Verification

Part 7: Requirements for special installations or locations

A list of all the parts in the IEC 60364 series can be found on the IEC website.

Future standards in this series will carry the new general title as cited above. Titles of existing standards in this series will be updated at the time of the next edition.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

## INTRODUCTION

The requirements of this part of IEC 60364 supplement, modify or replace certain of the general requirements contained in Parts 1 to 6 of IEC 60364.

The clause numbering appearing after 717 refers to the corresponding parts or clauses of IEC 60364, Parts 1 to 6. Numbering of clauses does not, therefore, necessarily follow sequentially. Numbering of figures and tables takes the number of this part followed by a sequential number.

The absence of reference to a part or clause means that the general requirements contained in Parts 1 to 6 of IEC 60364 are applicable.

## LOW-VOLTAGE ELECTRICAL INSTALLATIONS –

### Part 7-717: Requirements for special installations or locations – Mobile or transportable units

#### 717 Mobile or transportable units

##### 717.1 Scope

The particular requirements as specified in this part of IEC 60364 are applicable to mobile or transportable units.

For the purposes of this part, the term "unit" refers to a vehicle and/or mobile or transportable structure in which all or part of an electrical installation is contained.

Units are either of the mobile type or of the transportable type.

Examples are units for television and broadcasting, medical services, advertising, fire fighting, using special information technology, units for disaster relief, catering units and the like.

The requirements of this part also apply where two or more units are connected together to form a single electrical installation (see 717.551.6 and 717.551.7).

The requirements are not applicable to

- electrical circuits and equipment for automotive purposes,
- generating sets,
- units covered by other parts of Part 7 (e.g. caravan and motor-caravan),
- pleasure craft (see IEC 60092-507),
- mobile machinery in accordance with IEC 60204-1,
- traction equipment of electric vehicles,
- mobile or transportable homes, offices and the like for extended use at the same location (see general rules of IEC 60364).

Where applicable, additional requirements as laid down in other clauses of Part 7 are to be taken into consideration, e.g. for showers, medical locations, etc.

##### 717.2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60227-3:1993, *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 3: Non-sheathed cables for fixed wiring*

IEC 60245-4, *Rubber insulated cables – Rated voltages up to and including 450/750 V – Part 4: Cords and flexible cables*